

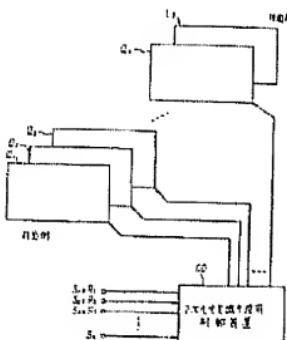
## STEREOSCOPIC PICTURE DISPLAY DEVICE

Publication number: JP3226095  
 Publication date: 1991-10-07  
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 Classification:  
 - International: H04N13/04; H04N13/04; (IPC1-7): H04N13/04  
 - European:  
 Application number: JP19900018994 19900131  
 Priority number(s): JP19900018994 19900131

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## Abstract of JP3226095

**PURPOSE:** To realize stereoscopic picture display without eyeglass with less limit of a visual position attended with a natural motion parallax by arranging plural two-dimension optical modulation means side by side in the direction of depth able to control light shield or light transmission for each picture element and using a controller provided separately so as to control the two-dimension optical modulation means. **CONSTITUTION:** Two-dimension modulation means  $Q_m$  ( $m=1-n$ ) able to control the light transmission state from a rear face for each picture element are prepared and  $n$ -set of the means are arranged in the depth direction. Let a two-dimension optical modulation means placed most this side with respect to the observer observing the display device be the means  $Q_1$ . Then a stereoscopic picture is displayed by allowing a two-dimension optical modulation use controller DC to control the two-dimension optical modulation means  $Q_1-Q_n$  as follows. That is, one of the two-dimension optical modulation means  $Q_1-Q_n$  is selected as a main modulation means, on which a picture is displayed, light is transmitted in the two-dimension optical modulation means remote from the observer and the two-dimension optical modulation means close to the observer shields the light based on a background signal generated separately and all the two-dimension optical modulation means are controlled to be in use as the main modulation means in time division.



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